PROJUKE

Professional Jukebox Software

Exclusively distributed by

VISUAL SOUNDS

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ProJuke is an encrypted media playing platform designed for Jukebox operators.
It employs encryption algorithms that enable it to encode / decode media files.

There are two basic types of security devices are available for use with ProJuke,

1. Rockey
2. ProJuke Controllers

ProJuke requires that either of these two devices be fitted to allow the software to become fully functional, if no device is present, ProJuke will default to “Demonstration Mode”.

The Rockey is a USB device that requires no external drivers to be loaded. It operates as a Key to enable ProJuke to operate.

The ProJuke Controllers are available in various configurations and unless you purchase a pre-configured computer, you will need to install the driver pack. There are currently 2 versions of the controllers available with Ver 5.08 due later in 2012

- Ver 5.07 Basic
- Ver 5.07 Extended
- Ver 5.08

The “Ver 5.07 Basic” level controller operates in the same way as a Rockey, that is, it only functions as a key to allow ProJuke to be enabled

The “5.07 Extended & 5.08 Controllers” incorporate an operator interface for Coin / Note validator inputs, Function / Control buttons, Audio / Video switching etc.
For further information on the specifications of the Controllers, please visit the ProJuke website www.ProJuke.com and download the manuals.

Rockey

ProJuke Controller V5.07

The security device should be inserted prior to switching the host PC on. Failure to do so may result in ProJuke switching to “Demonstration Mode” due to hardware detection and failure to load device drivers in adequate time.

Starting ProJuke

After the Host PC has started, Windows should be directed to start the **Load** program as shown in the diagram below.
The **Load** program resides in the “Jukesoft” folder of your “D:\” drive

The **Load** program has several built-in features, which will prepare ProJuke for proper operation, these include

- Delayed Starting to allow some older PC’s to finish loading Device Drivers
- Detection of the ProJuke Security device (Rockey or Control board)
- Automatic detection & setup of communication parameters (where required)
- Determination of whether the correct security device is fitted (Controllers only)
- Indication of the controller board’s unique identification

The **Load** program will write critical settings to ProJuke, the start ProJuke and then exit.

ProJuke will make an enquiry with the Rockey / ProJuke controller and determine if the internal media encryption switch has been set.

If the switch has been set then ProJuke will continue to load, Should the switch not be set then ProJuke will close and the encryption **Manager** program will start. Your media will be uniquely encrypted to the Rockey or ProJuke controller's internal code.
Once the encryption **Manager** has completed, it will set the encryption switch and reload ProJuke.

DO NOT SWAP YOUR SECURITY DEVICES between machines as ProJuke will not be able to decode the music, further to this, if a security device with the encryption switch that is not set is presented, you could **Double Encrypt and irreversibly corrupt your music.**

The diagram below shows the encryption **Manager** screen.
All unencrypted music must be located in the "Music" folder of the "D:\" drive.

CRITICAL PROCESS
DO NOT RESET COMPUTER
Build 1111 E
Interupting this process will corrupt your music data
Do you wish to continue to encrypt?
This may take several hours to complete
PROJUKE
PROJUKE

Once the encryption has been successfully completed, encryption **Manager** will close and ProJuke will restart.
ProJuke always starts with a splash screen. This screen is displayed while operational parameters are retrieved and will only last a few seconds.
Product parameters are displayed upon retrieval

The Splash screen shows the ProJuke Build number of the software. Check for updates of your software by downloading the latest copy from www.ProJuke.com

The Build number is the ProJuke version. **Build 1110 A** = 20**11** (Oct)**10** Revision **A**

Once the splash screen has completed loading settings & variables, the main ProJuke screen will load. Below is a typical example of a main screen in coin operation mode. The screen is divided into 4 main areas.

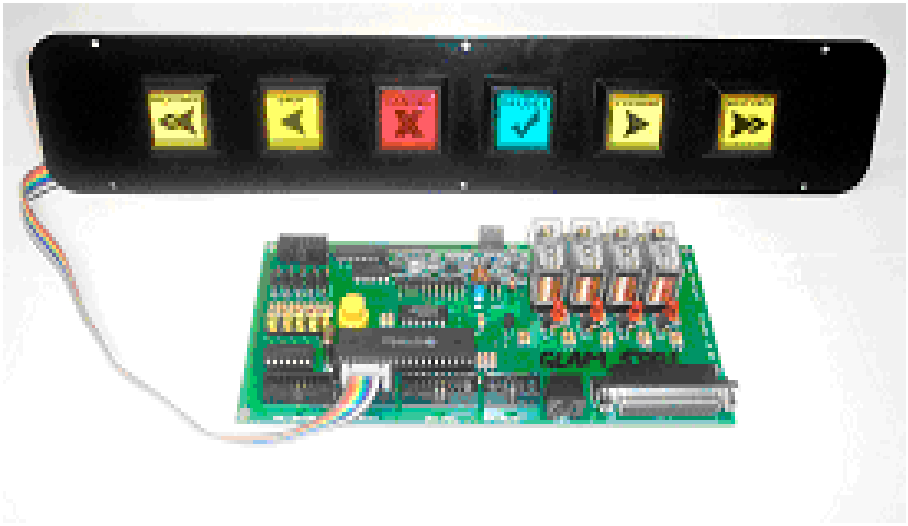
- Video / Adds Display window
- Message pane, showing Price Per Play in coin mode or Coming tracks in freeplay
- Selection Categories, These can be toggled on/off through the **Administration** menu
- Task Bar, shows optional settings. (volume control, expanded categories, credits & clear playlist)

Some options are available dependant on what mode the software is operating in. (freeplay / coin mode)

ProJuke can operate via touchscreen and/or button operation.

If operating in “Button” mode, 6 navigation switches will be required for basic operation.

- Page Back
- Back
- Select
- Cancel
- Forward
- Page Forward



The above picture shows the 6 button controls connected to an older style encoder board

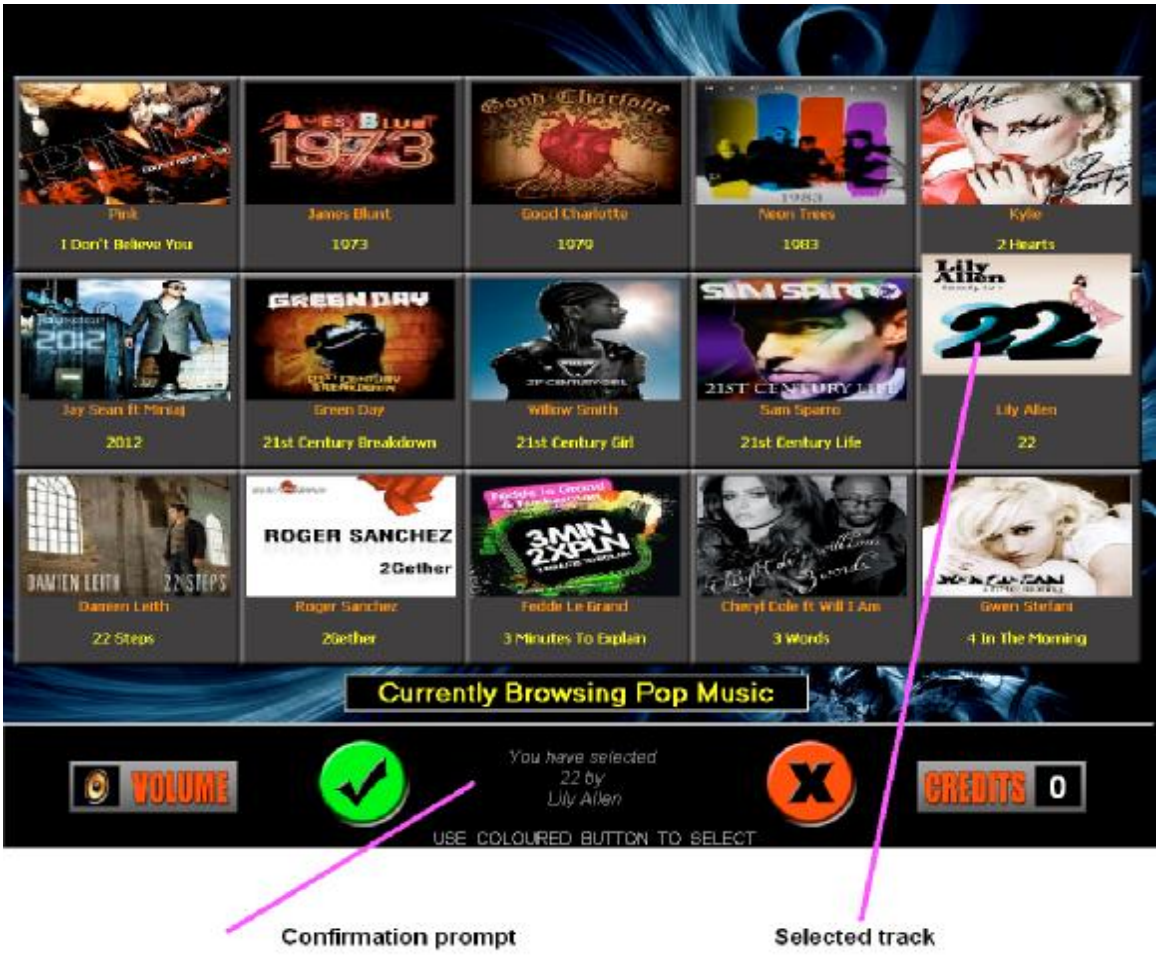
Pressing the FWD button, you will see the graphic will move down slightly to indicate which genre is selected.

Once a category is chosen, press the select button to enter the category.

The Selection screen will now open. There are 15 songs per screen that are available. You can use the Page Fwd / Page Back buttons to navigate page by page and/or the Fwd / Back buttons to navigate 1 item at a time.

When the page first opens the Select button can be used to enable the search utility, but more on that later in the manual.
If you press the Fwd button the graphic will again move indicating your selection.

Once you navigate to your desired selection, press the Select button and a confirmation message will appear in the task bar. (*Should you be in "Coin" mode and you have insufficient credit, a message indicating your dilemma will appear prompting you to insert more coins.)*
Pressing Select again will commit your song to the playlist.



Once a track is selected, it will be decoded. This process takes place immediately if there is no track currently playing. The process can take a few seconds depending on whether the track is Video or Audio. The host computers processor speed, available ram and hard disk drive access rate also play a role in time taken to decode the track.
If a track is currently playing, then the next track will be decoded whilst the first is playing. When decoding takes place, a message is placed in the task bar advising the user.

When the track retrieval message appears in the taskbar, The only user inputs that ProJuke will acknowledge are;

- Volume Adjustment
- Coin Inputs

Alternatively, selecting a track can be achieved using the Search utility, as previously mentioned. When navigating to a selection page by buttons, upon the page first opening, the Select button may be used to access the Search feature.

For operators using touchscreens, these buttons will be yellow.

Pressing the Fwd or Back buttons at this point will disable the search feature in button mode and enable the user interface to be operated for track selections. At this point the task bar will change the colours of the task bar menu items.

Selecting Search will change the taskbar options to search by “Artist” or “Song”

Pressing either the green “Select” button or the red “Cancel” button at this point will open the Search utility.

For operators using touchscreens, these buttons will be yellow.

The Search screen will now open.

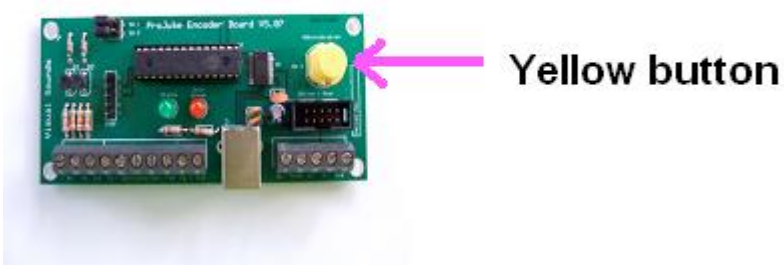
Pressing on the Fwd or Back buttons at this point will advance you through the keyboard. The button will appear to depress and the button text will change to green to indicate your position.

Type your Artist / Song name in part or full and navigate to the search button.

The Search utility will close and the resulting matches (provided you have the appropriate tracks) will be displayed in a selection screen for you to choose the track.

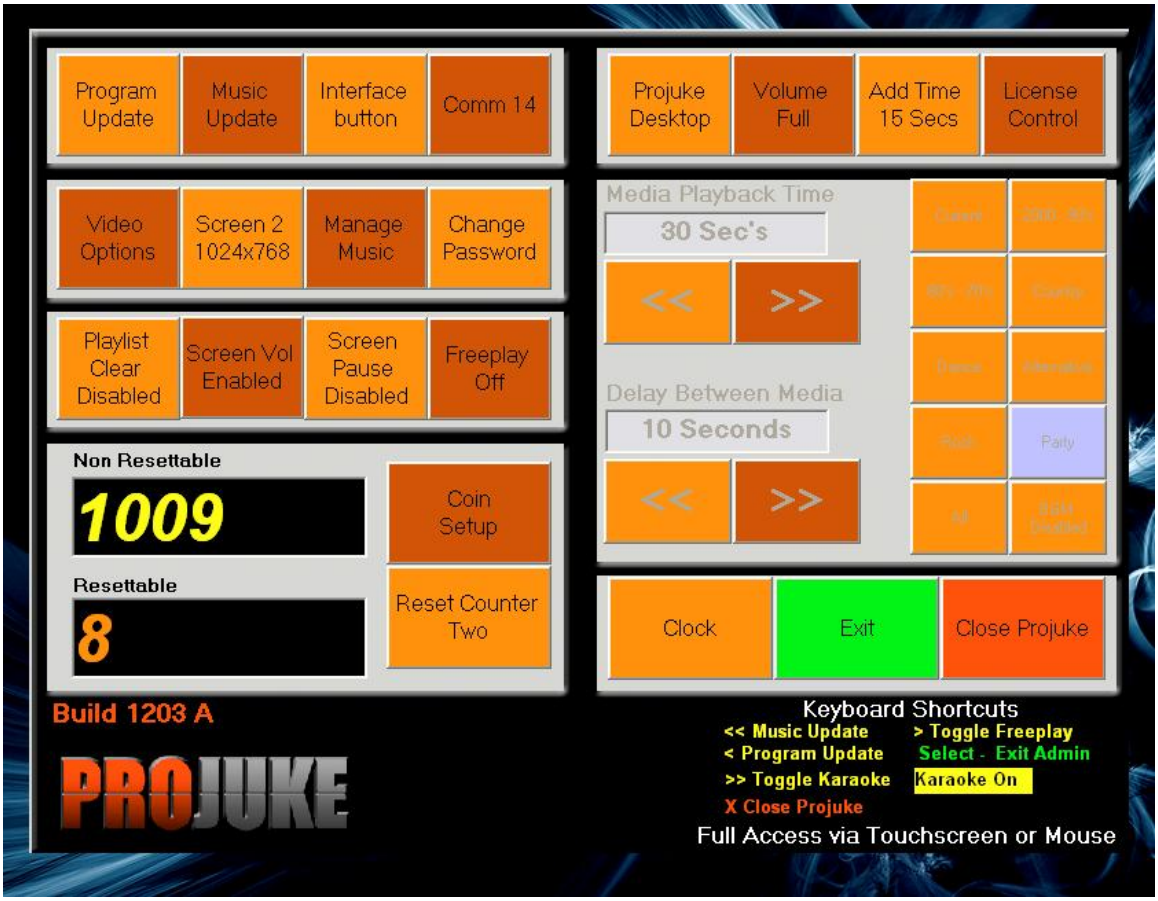
The administration area of ProJuke is accessible by any of the following 3 methods however in all cases ProJuke must be running and on the Main screen.

- Pressing the yellow button twice on the ProJuke controller board
- Entering the access code by touchscreen using hidden buttons
- Plugging in a keyboard and pressing the "/" key twice



Default pass code = **3280**

The administration screen consists of a series of switches that are used to manipulate and customise your jukebox. As the program evolves, options may be added/removed from the interface.



The following pages describe the functionality of the administration switches.

The **Program Update** button, this is used to update the main ProJuke program from media inserted in the “E:\” drive of your computer

The **Music Update** button launches the **Update** program. As updates are received from *Visual Sounds*, Place them in your "E:\" drive and press this button. Providing there are matching licenses on the update disk, the music will be copied and encoded. If the license does not match a message will appear, informing you of your dilemma.
Should you not be able to update your music, contact Visual Sounds for further assistance.

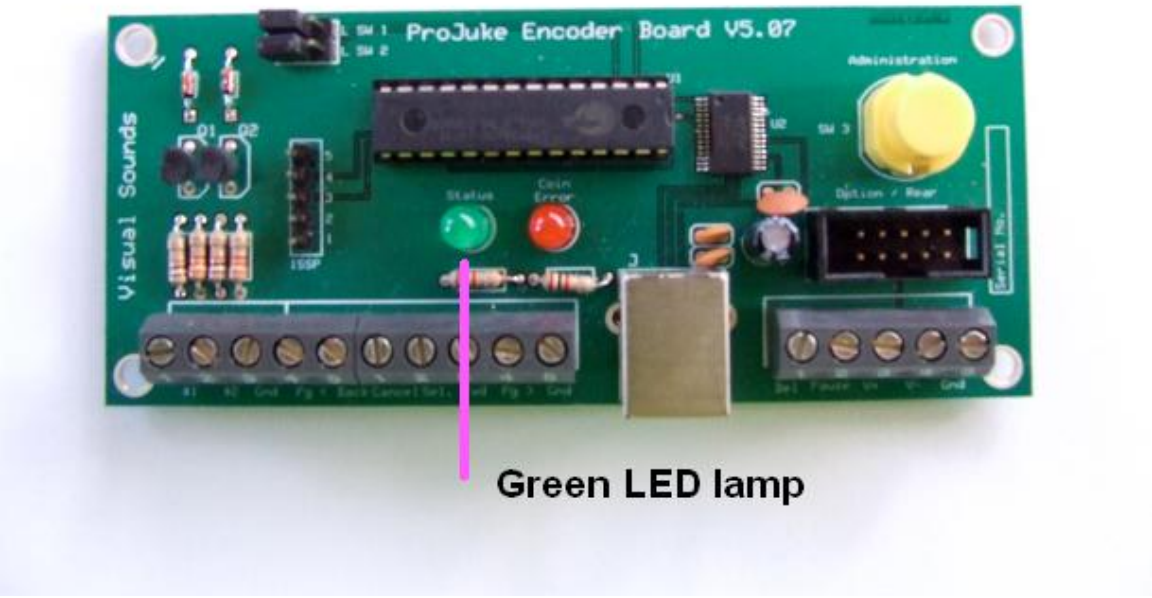
The **Interface** switch is the user interface. There are 2 choices and pressing the button will toggle between them. "**Interface button**" & "**Interface touch**"
This is where you set the interface for button mode or touchscreen mode.
If you are using a touchscreen, you will need to have previously loaded your touchscreen drivers, calibrated and setup your touchscreen.
Refer to the installation manual for your touchscreen for further information on this process.

The **Comm** button is used exclusively for communicating with the ProJuke controllers.

The newer version of the load program automatically sets the correct value however older versions of the load program do not. (Check the website for updates.)

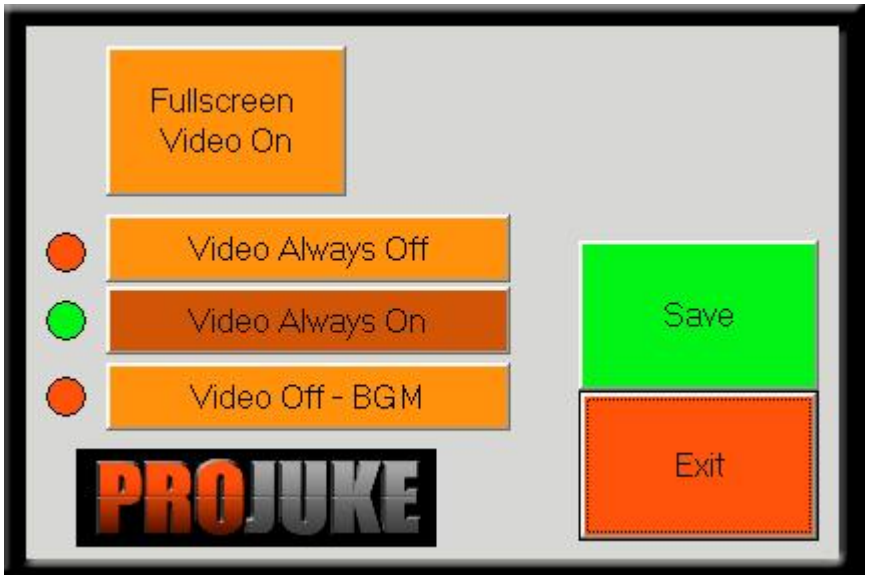
Pressing this button will change the communication port that ProJuke is using to communicate with the controller.
The green LED lamp on the controller will be lit when communications are established.

This button is unavailable if the “License” button is set as “Rockey”



Pressing the **Video Options** button will open a small options page where the following features are available.

- Fullscreen Video
- Video Options

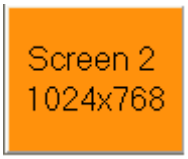


Fullscreen Video will allow the film clip of your music video to be displayed on the main Jukebox screen. This option is useful for party hire operators using Karaoke where they have no secondary screen to display the lyrics.
Fullscreen video will engage after a short delay has elapsed from the main ProJuke screen being shown.

The Video switch array allows the operator to manipulate when video clips will be shown. The green indicator shows the current setting.

Video Always Off *No Video*
Video Always On *Video always shown (if media is a music video clip)*
Video Off – BGM *Video shown with the exception of background music in play*

After making any alterations, press the “Save” button

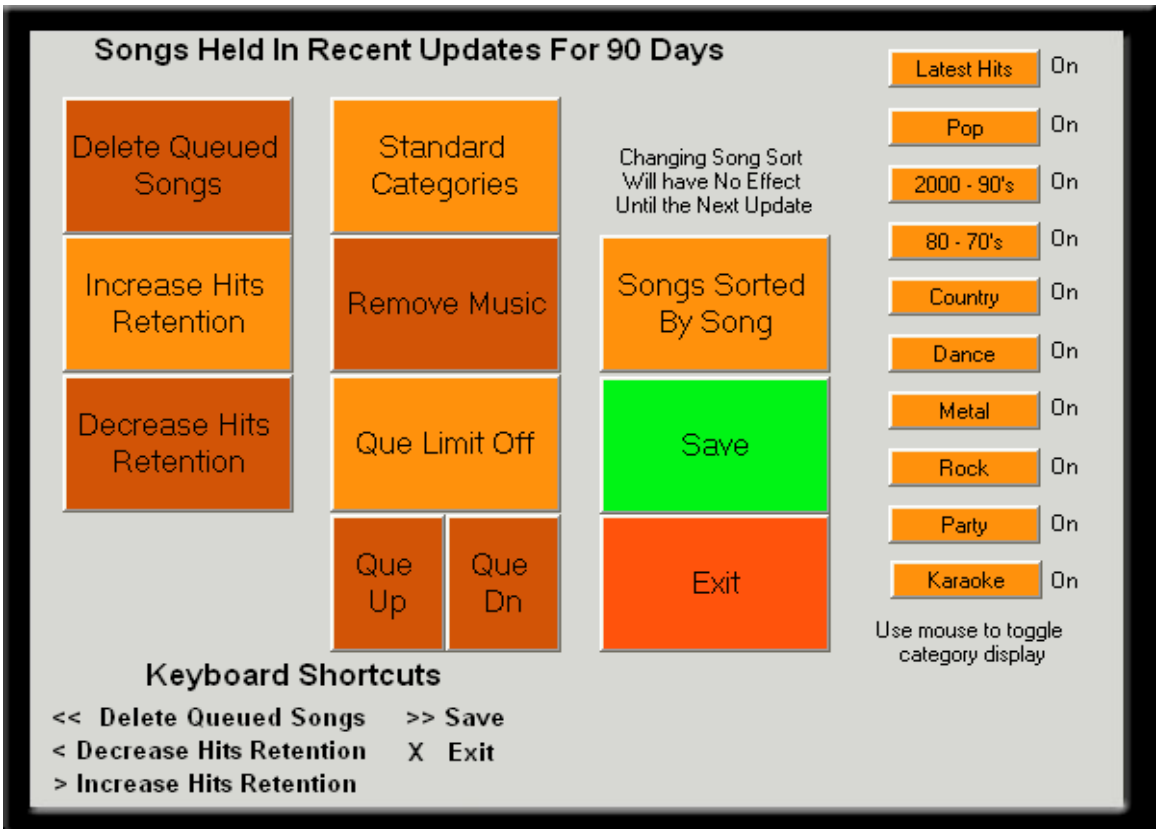


The **Screen 2** button is used for setting the output resolution that ProJuke sends to a secondary monitor. There are 2 settings available,

- 1024 x 768 used for plasma / LCD TV's using the VGA connector
- 800 x 600 used for standard TV's using a composite video input

To make use of this feature your host PC needs to have a suitable dual head enabled, video card fitted. Please refer to your computer manual or supplier for further information on the fitting, supply & setup of the video card.

Pressing the **Manage Music** button will open the following options page

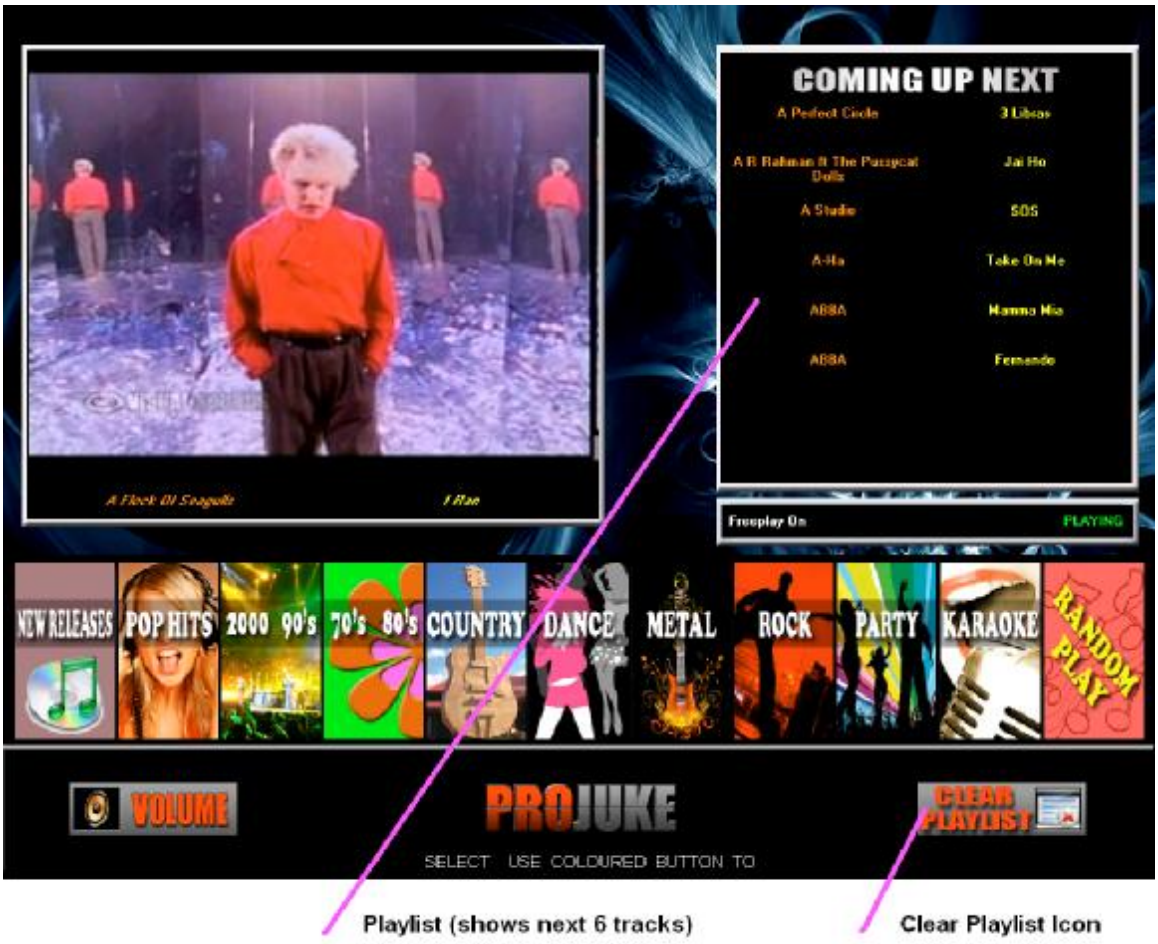


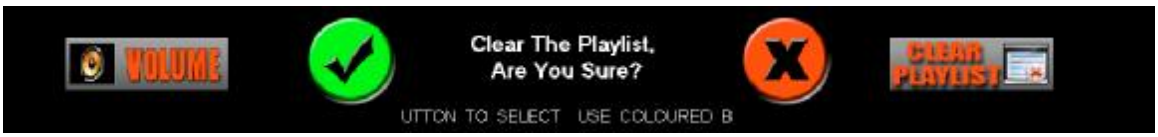
- Delete Queued Songs — Deletes all songs from the playlist
- Increase Hits Detention — Increases the number of days that New releases are held in the "***NEW RELEASES***" category.
- Decrease Hits Detention — Decreases the number of days that New releases are held in the "***NEW RELEASES***" category.
- Standard Categories — Toggles between ***Standard*** and ***Expanded***. Use this feature if you wish to add further music categories to your system.
- Remove Music — Loads the Music **Delete** program (more details on pg. 29)
- Queue Limit — Sets a limit to the amount to the amount of songs that can be added to the playlist
- Songs Sorted by Song — Toggles between Artist & Song. This sorts the category databases by song or by artist. This will occur only when the next music update is performed on the system.
- Category Switches — Each switch toggles the connected category ***On / Off***

The **Change Password** button will open a decimal keyboard where you can change the password used to access the "Administration" menu. It is **highly recommended that you change this password** if you are using a touchscreen to prevent unauthorised access to the administration area.

The default password is **3280**

The **Playlist Clear** button is active only when the system is in freeplay mode. It toggles between Enabled / Disabled and places an icon on the bottom right hand corner of the main ProJuke page which allows users to clear the playlist. This is useful where someone selects a range of songs to be played at an event which maybe inappropriate for the event. It does not cancel the song in play.
The clear playlist icon can be accessed by pressing the “Cancel” button or by touching the icon if using a touchscreen. A confirmation message will appear in the taskbar on the main screen before the playlist is cleared.

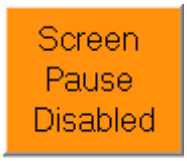




Taskbar showing the confirm message to clear the playlist.

Screen Vol
Enabled

The **Screen Vol**. button toggles the on-screen volume control off and on. Pressing on the Volume icon in the lower Left corner of the ProJuke main screen will open the volume adjustment page.
If the screen vol. button is set to disabled the icon does not appear on the main page.

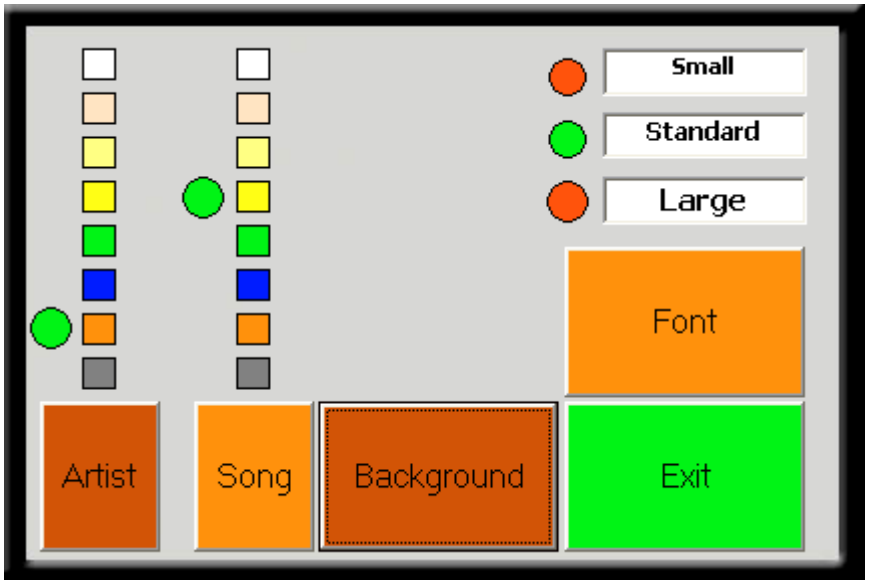


The **Screen Pause** button attaches to the bottom of the on-screen volume control a set of buttons that allow the user to pause / resume play.
This feature is ideal for functions where speeches are to be made.

The **Freeplay** button toggles ProJuke between freeplay and Coin operation modes.

Pressing the **ProJuke Desktop** button will open a small options page where the following features are available.

- Colour customisation of the Song & Artist text in selection screens
- Changes to the font size in the selection screens. (green indicator marks selection)
- Background image selection



There are 21 different backgrounds that you can choose from.

The **Volume** button toggles between two modes.

- Full
- Adjustable

The **Full** mode will output the maximum permissible audio output (as governed by the sound card settings in Windows ™ control panel) and **Adjustable** mode allows for volume control manipulation via the touchscreen volume control, ProJuke controller interface or optional remote control.

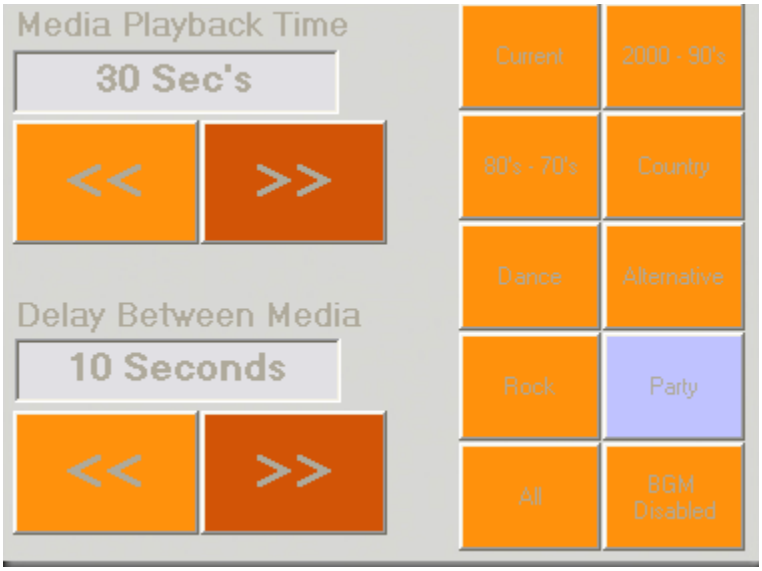
Any changes to this settings will take place once the system has been restarted.

Pressing the **Add Time** button will increment the value of time that adds are displayed. Each time the button is pressed the time will increment by 5 seconds. Maximum time is 60 seconds and minimum is 5 seconds.

The **License Control** button is used to select the type of security device that is connected to ProJuke. The default setting is “Rockey”
For correct operation of ProJuke, ensure this is set for the correct security device.

Control = ProJuke controller
Rockey = Rockey USB dongle

Background Music Player



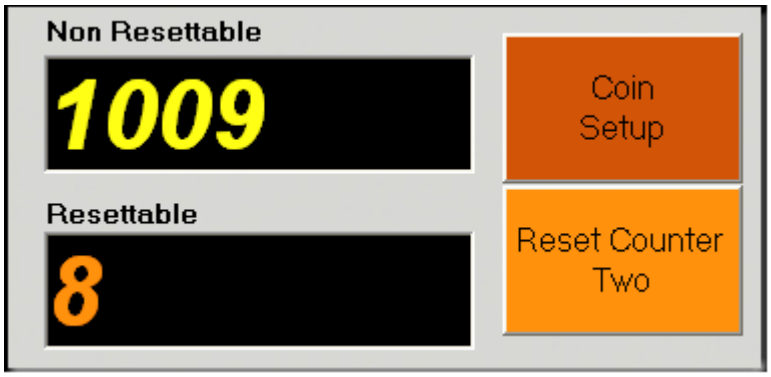
This option is still under development and is currently unavailable

Pressing the **Clock** button will activate the clock menu. You can toggle on / off an analogue clock that is displayed on the ProJuke main page and you can also manipulate the host PC's clock settings

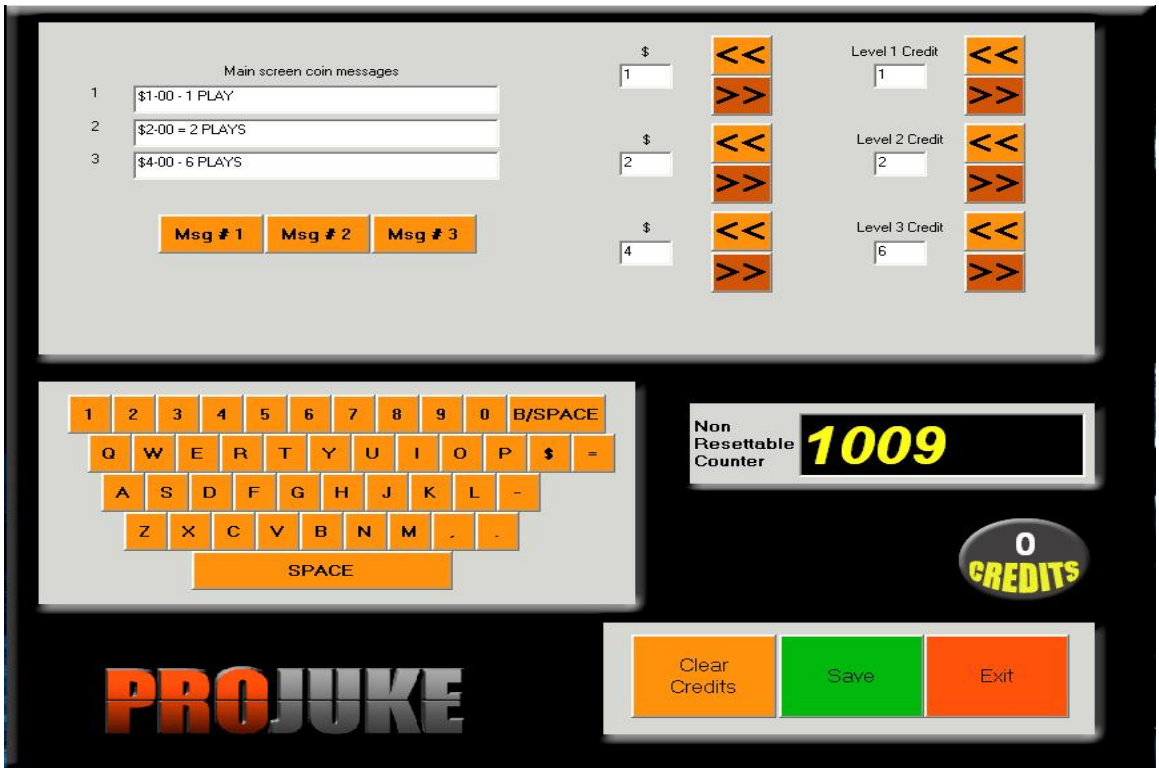
ProJuke caters for both coin operation and freeplay systems

When coins are inserted, their value is accumulated into a non-resettable counter which totalities the monetary return in Dollar values.

For convenience, site operators have a second counter they can use for monthly collection audits etc. This is reset to **0** by pressing **Reset Counter Two** button



The **Coin Setup** button opens a monetary adjustment screen where site operators can fine-tune the price / play and pricing messages.



Deleting a track from your system is possible using the **Delete** program. Access to this program is gained via pressing the **Manage Music** button in the administration menu then pressing the **Remove Music** button. (see page 15 for details on accessing the administration menu)

Press on the button **Searching for Artist** button to toggle between searching for an **Artist** or **Song**

Type the desired information in the data window and press **Search**

The results will be displayed in the top message display and you can use the arrow keys to navigate to the desired track that you wish to remove.

There are 2 options available for removing music, **Delete Listing Only** which removes the entry from the ProJuke system database & **Delete Listing & Media** which removes the track entirely from the system including the entry in the ProJuke system database.

Pressing the **Exit** button will return you to the ProJuke main program.

LIMIT OF LIABILITY / DISCLAIMER OF WARRANTY:

The following is without prejudice to any rights you may have at law, which cannot be legally excluded or restricted.

You have relied upon your own skill and judgement in the installation of the ProJuke software package. It is your responsibility that you have complied with all relevant laws regarding the safe, proper and legal installation of this product.

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